

Bayer

Buna EP

Ethylene-propylene rubber (EPM/EPDM)

Properties

Provided that the compounds are formulated and processed correctly, the vulcanizates have excellent resistance to weathering and ozone, good to very good aging resistance and low temperature flexibility, low electrical conductivity and satisfactory resistance to polar chemicals.

Applications

Technical moldings of all kinds; extrusions, e.g. profiles used in the construction and automotive industries; hose, sheet, open and closed cell sponge rubber; roll covers; low voltage cable insulation.

Product range and typical properties

| Product | Mooney viscosity ⁽¹⁾ ML (1+4) 125°C | Mooney viscosity ⁽¹⁾ ML (1+8) | ENB content ⁽²⁾ (%) | Ethylene content (%) corr. ⁽³⁾ | Physical form | Standard packaging |
|---|---|---|-----------------------------------|--|-------------------|--|
| Copolymers | | | | | | |
| Buna® EP T 2070 | 22 | 35 (100°C) | 0 | 68 | bales and pellets | 34 kg bales, 24 bales per pallet |
| Terpolymers – low unsaturation | | | | | | |
| Buna® EP T 6250 | 55 | – | 2 | 60 | bales | 34 kg bales, 24 bales per pallet |
| Buna® EP T 2370 | 16 | 25 (100°C) | 3 | 72 | bales | 25 kg bales, 30 bales per pallet (pellets on request) |
| Terpolymers – medium unsaturation | | | | | | |
| Buna® EP T 2460 | 21 | 33 (100°C) | 4 | 62 | ► bales | ► 34 kg bales, ► 24 bales per pallet |
| Buna® EP T 2450 | 22 | 35 (100°C) | 4 | 59 | | |
| Buna® EP G 2470 | 24 | – | 4 | 69 | | |
| Buna® EP G 3440 | 28 | – | 4 | 48 | | |
| Buna® EP G 5450 | 46 | – | 4.5 | 52 | | |
| Buna® EP G 5455 (50 phr paraffinic oil) | 46 | – | 4.5 | 55 | | ► 25 kg bales. ► 35 bales per pallet |
| Buna® EP T 6465 (50 phr paraffinic oil) | 53 | 37 (150°C) | 4 | 64 | | 34 kg bales, 24 bales per pallet |
| Buna® EP T 5459 (100 phr paraffinic oil) | 54 | 38 (150°C) | 4 | 59 | | 25 kg bales, 30 bales per pallet |
| Buna® EP T 6470 | 57 | 55 (125°C) | 4.5 | 68 | | bales and pellets 34 kg bales, 24 bales per pallet |
| Buna® EP G 8450 | 76 | – | 4.5 | 53 | ► bales | |
| Buna® EP G 3473 (30 phr paraffinic oil) | 34 | – | 4.5 | 69 | | ► 25 kg bales, ► 35 bales per pallet |
| Buna® EP G 6470 | 59 | – | 4.5 | 71 | | 20 kg bales, 30 bales per pallet |
| Buna® EP G 8460 | 81 | – | 4.5 | 66 | | 20 kg bales, 30 bales per pallet |
| Buna® EP G 5567 (75 phr paraffinic oil) | 46 | – | 5 | 66 | | 25 kg bales, 35 bales per pallet |

⁽¹⁾ unmassed (DIN 53523; ASTM D 1646)

⁽²⁾ guide values

⁽³⁾ correction formula: C₂ corr. = C₂ uncorr. x

Density 0.86 g/cm³; for oil-extended grades 0.87 g/cm³

$$(100 - \text{ENB}\%)$$